

**UPDATE PACKAGE GENERATOR EMPLOYING PARTIAL PREDICTIVE  
MAPPING TECHNIQUES FOR GENERATING UPDATE  
PACKAGES FOR MOBILE HANDSETS**

**ABSTRACT OF THE DISCLOSURE**

A mobile handset in a mobile services network, with access to a plurality of services including a firmware/software update service, is capable of updating its firmware/software using an appropriate update package that is retrieved from an update package repository via a management server. A generator with partial predictive mapping (PPM) preprocessor is used to create an update package and associated information, such as shift region list information, by comparing two different versions of the firmware/software of the mobile handset.